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Processing, Properties and Applications of Ferroelectric Composites

Guest Editor:

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Deadline for manuscript submissions:
closed (20 February 2022)

Message from the Guest Editor

Ferroelectrics are key technology enablers due to their versatile functional properties that arise from their inherently polar nature. Combining a ferroelectric ceramic with a compliant second phase, or embedding ferroelectric particles in a polymer matrix, to form a composite is a facile method of tailoring their functional properties for a range of applications, compared to monolithic ferroelectric single crystal, ceramic or polymer systems, whilst also improving their mechanical resilience. The effect of the ferroelectric composite microstructure, i.e., the morphology and connectivity of the constituent phases, determines how the material interacts with local electric, mechanical and thermal fields.

In this Special Issue, modern trends and future directions in the processing, microstructure, properties and applications of ferroelectric composites are highlighted and discussed.

It is my pleasure to invite the submission of manuscripts for this Special Issue. Full papers, communications and reviews are all welcome.

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Message from the Editor-in-Chief

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